Journal of Applied Polymer Science

Subject Index to Volume 53

Acid gases, 857
Acrylonitrile copolymer membranes, 729
Additives, 309
Adducts, 31
Adsorbents, 325
Advanced photonic devices, 649
Aging, 1051
Air separation, 701
All-optical switching, 677
Amine-terminated butadiene acrylonitrile copolymer (ATBN) content effects on copolymerization rate, 213
Angle-dependent X-ray photoelectron spectroscopy (XPS), 543
Anionic monomers, 1533
Anionomers, 371
Aqueous dispersion, 371
Aqueous-phase viscosity, 309
Aromatic copolyesters, 609
Aromatic diamine extenders, 23
Arrhenius plot, 1129
Arrhenius relationship, 179
Asymmetric hollow-fiber-type membrane modules of, 113
Asymmetric induction, 337
Asymmetric nylon 4 membranes, 999
Attenuated total reflection–Fourier transform infrared (ATR–FTIR) spectroscopy, 1037
Azobenzene amphiphiles, 687

Bactericides, 1149
Band formation, 169
Binary blend films, 1061
Biological liquids, 729
Blend morphology, 1, 513, 1675
Blends, 1, 121, 297, 355, 361, 387, 441, 507, 575, 1061, 1107, 1191, 1251, 1385
Block copolymers, 213
Blocked isocyanates, 31
Blood compatibility, 1115
Bound rubber, storage maturation, 1025
Box complex analysis, 85
BT resins, 105
Bushuk–Benoit light scattering theory, 1323
Butadiene-based impact modifiers, 513

C_{36} dimer acids, 807
Cable insulant, 297
Caesarweed fibers, 1709
Canna starch, 1091
Capillary rheometry, 257
Carbon-13 nuclear magnetic resonance (NMR) spectroscopy, 621
Carbon black filler, 1477
Carbon dioxide foaming, 1497
Catalyst systems, 1129
Catalyzed hydrolysis, 985
Cationic biocides, 1237, 1245
Celgard® membrane precursors, 471
Cell counting method, 1237
Cellulose fibers, 379
Cerric ion–toluene redox pair, 1709
Chain extender, 23, 51
Chelate fibers, 325
Chelating fibers, 1461
Chemiluminescence, 1375
Chiral compounds, 337
Chitosan films, 1115
^{60}Co gamma radiation, 1115
Cold compaction, 485
Cold plasma, 1291
Color image processing, 747
Combustion, 121
Comonomer ratio, 1453
Comonomer sequences, 1453
Compatibility, 1191
Complexation, 837
Composite fibers, 701
Composite membranes, 317
Composites, 187, 379, 923, 1051, 1211, 1615, 1723
Composition depth profiles, of fibers, 543
Compounds, 283, 1025
Concentrated emulsion method, 923
Conducting composites, 187
Conjugated compound, 1393
Continuous flow gas phase olefin polymerization process, 1589
Continuous-heating-transformation (CHT) cure diagram, 709
Conversion, 213
Copolymer beads, 1415
Copolymer–carbon fiber composites, 923
Copolymerization, 1453
Copolymers, 1525, 1533, 1771, 1813
—, of chloroprene (CP), 967
Core-shell emulsion process, 1447
Corona treatment conditions, 379
Corotating, intermeshing twin-screw extruder, 891
Crack growth, 19
Crazing, 1251
Creep, 1037, 1123
Critical surface tension, 239
Cross-linking, 105, 1357
Crosslinking, 361, 1415, 1477, 1563, 1699, 1717
Cross polarization, 1823
Cryogenic scanning electron microscopy (CRYO-SEM), 1203
Crystalline structures, 1403
Crystallization, 355, 1745
Crystallization behaviors, 213

Cure gel time, 1307
Cure kinetics, 105
Curing, 201, 429, 709, 1165, 1211, 1307, 1339
Curing kinetics, 331
Cyclotrimerization, 1435

Decomposition, 1759
Deformation, 1125
Deformation mechanisms, 513
Degradation, 1525, 1573, 1573, 1717
Depth distribution function (DDF), 543
Dialysis, 729
Dielectric normal-mode relaxation, 1599
Differential refractometry, 1323
Differential scanning calorimetry (DSC), 51, 275, 355, 1061, 1103, 1165, 1307, 1425, 1745
Differential thermal analysis (DTA), 347
Diffusion coefficient(s), 1011, 1669
Digital image processing, 747
Dipole orientation, 633
Direct current (DC) conductivity, 1315
Direct fluorination, 291
Direct forming, 485
Disinfectants (quaternary ammonium salts), 1237
Drag reduction (DR), 151
Ductile tearing instability, 19
Dynamic curing, 387
Dynamic mechanical analysis (DMA), 455, 1103, 1211, 1339
Dynamic strain, 877
Dynamic vulcanization, 387

Elastomers, 193, 877, 1723
Electric field-induced second harmonic generation (EFISH), 641
Electroless reduction, 1539
Electron beam, 405
Electron-beam (EB)-initiated grafting, 141
Electron-beam irradiation, 1291
Electron spectroscopy chemical analysis (ESCA), 763
Electrorheological (ER) fluids, 1393
Electrostrictive gel, 79
Elemental analysis, 131
Ellipsometry, 825
Emulsion polymerization, 247
Emulsion polymers, 1139
Emulsion stability, 1771
Enantioface differentiation, 337
Engineering thermoplastics, 527
Environmental degradation, 411
Epoxidized rubber, 441
Epoxy resin(s), 429, 1211, 1307, 1339, 1375, 1805
Ethanol-organic solvent mixtures, 425
Ethanol-water mixture, 317
Exchange adsorptive property, 405
Extrusion, 891

Fiber formation, 1731
Fiber loading, 1051
Fiber-optic Raman spectroscopy, 1805
Fiber–resin interactions, 1211
Fiber–rubber interface, 1051
Fibers, 225, 325, 347, 379, 543, 701, 1221, 1261, 1461, 1579, 1709, 1731, 1833
Filler(s), 193, 463, 1579
Film coalescence, 1139
Film formation, 1139
Films, 59, 471, 587, 847, 1315, 1397, 1631, 1717
Fire retardance, 121
Foaming, 1497
Fourier transform infrared spectroscopy (FTIR), 131, 275
Fourth-order Runge–Kutta method, 1759
Fractional conversion, x, 455
Fractionated crystallization, 355
Fraké, 763
Free radical polymerization, 1277
Free radicals, 247
Furan diesters, 1785

γ-butyrolactone, influence on polymer formation, 787
γ-radiation environment, 953
Gas chromatography, 1771
Gas chromatography–mass spectrometry (GC–MS) analytical method, 247
Gas separation, 1639
Gas supersaturation technique, 933
Gel actuator, 79
Gel microspheres, 1573
Gel permeation chromatography (GPC), 1165, 1351
Gels, 79, 755
Glass-reinforced composites, 1211
Glass transition temperature, 1365
Glass transition temperature (T_g), 1785
Glass transition temperature, T_g, 455
Glassy polymers, 1497
GPC connected with multiangle laser light scattering detector (GPC-MALLS), 1351
Graft-copolyamides, 1615
Graft copolymerization, 141, 1091, 1115, 1447, 1709
Graft copolymers, 239
Grafting, 405, 1091, 1115, 1221, 1461
Gram-positive strain, 1237

Hagen–Poiseuille equation, 113
Hard-segment content, 23
Heat-resistant cable insulant, 297
Heat-resistant drilling fluids, 755
High activity catalyst feeds, 1589
High-density polyethylene (HDPE), 411
High-energy radiation-resistant vulcanizates, 953
High pressure tubular reactors, 1277
High-pressure variable-volume view-cell, 1179
High-resolution solid-state ^{13}C-NMR spectroscopy, 1823
High tan δ values, 1103
^{1}H-NMR, 575
Homocrystallites, 1061
Hydrogels, 1203
Hydrolytic degradation, 1573

Hydrolytic depolymerization, 985

Immobilized bactericides, 1149
Impact modification, for engineering thermoplastics, 527
Infrared (IR) spectroscopy, 825, 899
Infrared spectroscopy, 633
Infrared thermography, 1125
Initiator, 1091, 1107
In situ crosslinking, 1675
In situ polymerization method, 575
Interface/interphase, between fibers and (LDPE), 225
Interface technique, 187
Interfacial polycondensation, 621, 815
Interfacial shear strength, 225
Interfacial tension(s), 309, 1469
Interpenetrating polymer networks (IPNs), 1083, 1107, 1491
Interpolymer complexes, 837
Intrinsic viscosity, 239
Inverse creep, 1123
Ion bombardment, 1631
Ion-exchange fibers, 405
Ion exchange resins, 291
Ionically crosslinked latex membranes, 179
Ionomers, 361
Isocyanate groups, 1435
Isothermal cures, 429
Isothermal curing, 1073
Isothermal curves, 1375

Kinetic modeling, 1605
Kinetics, 331
—, of aqueous polymerization, 71
—, of PP film formation, 1331
—, of radical polymerization, 71
—, of reaction of C_{36} dimer acids, 807

Latexes, 1139
Latex particles, 1469
Leather buffing dust, 735
Linear polymers, 755
Linear polythioesters, 815
Liquid crystalline foams, 933
Liquid crystalline solutions (LCS), 161, 169
Liquid crystal polymers (LCPs), 1687
Liquid crystals (LCs), 161, 169
Liquid rubber, 735
Loss tangent area (TA), 1663
Low-density polyethylene (LDPE), 1557
Lower critical solution temperature (LCST), 1179
Low molecular weight thermotropic liquid crystals, 1687
Low-temperature solution polymerization, 609
Luminescence intensity, 1375

Macromolecular entanglement, 1261
Magic angle spinning, 1823
Magnetron deposition technique, 1397
Mathematical simulation, 1759
Maxwell–Wagner–Sillars polarization, 1083
Mechanical properties, 213, 1717
Melt acidolysis, 933
Melt condensation, 609
Melt-extruded polyethylene films, 471
Melting, 1745
Melt phase, 807
Melt rheology, 283, 575
Membranes, 507, 1795
Membrane separation, 425
Membrane thickness, 1639
Metal chelates, 1307
Methacrylate monomers, 1107
Microcalorimetry, 825
Microgelation, 1165
Microporous membranes, 471
Microporous polypropylene hollow fibers, 1579
Mineral filled polypropylene compounds, 283
Miscible blends, 507
Mixer rotor speed, 1477
Mixing, 1823
Model compounds, 1237
Molar ratios, 105
Molecular transport, 1795
Molecular weight (MW), 1557
Molecular weight distribution (MWD), 1557, 1599
Molten polyblends, 1191
Monoepoxy polymerization, 769, 787
Monomer conversion ratio, 1397
Monomers, 141
Monomer sequences, 609, 621
Monomer-swollen polymer–water interface, 1469
Multiblock copolymers, 51

Naphthol-blocked diisocyanates, 31
Neural networks, 1277
Nodular structures, formation of, 1011
Nonisothermal curves, 1375
Nonlinear least-square errors, 1771
Nonlinear optical devices, 665
Nonlinear optical polymers, 649
Nonstationary peeling apparatus, 993
Notched Izod impact strength, 513
Nuclear magnetic resonance spectroscopy (NMR), 275, 1813
Nylon-6, 51, 85
Nylon 66, 1731
—, impurities, 747

Optical fibers, 1833
Optical grating, 973
Optical microscopy, 575
Organic polymers, macroscopic NLO properties, 641
—, molecular NLO properties, 641
Oriented polyaniline (PANI) films, 131

Partial hydrolysis, 729
Partially miscible blends, 441
PBI condensation reactions, 497
PBI powder processing, 485
Peak areas, 1663
Peel adhesion behavior, of pressure-sensitive adhesive (PSA) tapes, 993
Perfluorinated polymers, 825
Perfluoropolyethers, attachment to solid surfaces, 825

Permeation, 915
Permeation rate coefficients, 113
Peroxide initiators, 1425
Pervaporation, 179, 317, 425, 999, 1639
Phase mixing, 1083
Phase separation, 1653
Phenol-blocked isocyanates, 31
Photoactive polyimides, 1513
Photodegradation, 847
Photooxidation, 411
Photopatternable copolymers, 973
Photopatterning processes, 973
Photorecording medium, 687
Photosensitizer, 847
Plasma-deposited fluorocarbon thin films, 1631
Plastic deformation of paper, 1125
Plasticization, 1251
Plasticizers, 1785
Polar orientation, 633
Poly(aryletherether ketone) (PEEK) films, 1745
Polyacrylonitrile–iodine complex, 1403
Polyamide 6, 891
Polyamides, 561, 915, 1357
Polyamine quinones (PAQs), 1211
Polyaramides, 507
Polybenzimidazoles, 497
Polydispersity, 1599
Polyethylene terephthalate (PET) melts, 985
Polyimides, 1357, 1513
Polymer backbone, 201
Polymer brushes, 1699
Polymer composite processing, 1805
Polymeric ammonium salts, antibacterial activity, 1245
Polymeric phosphonium salts, antibacterial activity, 1245
Polymer melts, 257
Polymer surface modification, 291
Polyolefins–nylon 6 polymer blends, 355
Polypyrrole, 1539
Polythioesters, 815
Polyurethane (PU) anionomer dispersions, 371
Polyurethane elastomers, 1759
Polyvinyl alcohol amidoxime (PVAAO) chelate fiber, 325
Population balance modeling, 1589
Porous functionalized polymer, 291
Powder-assisted hot isostatic pressing, 485
Precipitation of gold, 1539
Preirradiation, 1221
Preirradiation-induced graft copolymerization, 405
Pressure-sensitive adhesive (PSA) tapes, 993
Processibility tester, 265
Pultrusion process, 213
Pyrolysis gas chromatography, 1525

Quartz crystal microbalance (QCM), 1331
Quasi-living polymerization, 915
Quaternary ammonium salts, immobilized hydrophilic gels, 1149

Racemic crystallization, 1061
Radiation-induced inverse emulsion polymerization, 1385
Radical chain polymerization, 899
Radical solution copolymerizations, 967
Reacting oil–alkaline systems, 309
Reaction injection molding (RIM), 23
Reactive melt-processing, 1365
Reactive polyamides, 807
Reagents, 1391
Relaxation map analysis (RMA), 587
Relaxation phenomena, 193
Relaxation processes, 587
Resins, 1073, 1805
—, thermally stable, 1357
Reversed-phase high performance liquid chromatography (HPLC), 1351
Reverse-phase liquid chromatography, 1435
Reynolds numbers, 151
Rigid foams, 1547
Rigid rod polyamides, 561
Rotating disk rheometer, 151
"Row nucleated lamellar" structures, 471
Rubber blends, 1107
Rubber compounds, storage maturation, 1025
Rubber toughening, of thermoplastic polymers, 1

Scanning electron micrography (SEM), 1723
Scanning electron microscopy (SEM), 1, 121, 131, 1037, 1653
Secondary creep, 1037
Segmented ethylene terephthalate (ET)–caprolactone (CL) copolymer (PET–PCL), 1323
Selectivity, 1639
Self-crosslinkable blends, 361
Semi-interpenetrating polymer networks (IPNs), 1103
Semi-interpenetrating polymer networks (semi-IPNs), 1653
Sequence determination, 1813
Short sisal fiber-reinforced natural rubber composites, 1051
Simha–Somcynsky equation, 1191
Simultaneous DTA-TG, 1339
Single-fiber pullout test, 225
Size-exclusion chromatography (SEC), 1557
Slab waveguide directional couplers, 677
Slurry, 1129
Solid-state nuclear magnetic resonance (NMR) relaxation studies, 59
Solid-state polymerization (SSP), 85, 1731
Solubility, 201
Soluble aromatic polyimides, 1513
Solution method, 923
Sorbents, 857
Sorption equilibria, 1669
Space charge effects on direct current (DC) conductivity, 1315

Sphere-size distribution, 39
Spin-coating, 665, 687
Squeeze film flow geometry, 265
Squeeze film flow processibility tester, 265
Squeeze film rheology, 257
Static strain, 877
Stereocomplexation, 1061
Storage maturation, 1025
Stress, 665
Stress relaxation, 1051, 1123
Stress relaxation behavior, 161, 169
Styrene–butadiene (SBR) random copolymer, 1191
Substrate material, 1631
Superheating, 347
Supernucleophilic reagent, 1391
Super water absorbents, 1203
Surface grafting, 1291
Swelling, 1261

Tait equation, 1191
Talc, as mineral filler, 283
Tannin-based rigid foams, 1547
Tearing instability (TIS) theory, 19
Tensile strength, 1103
Terpolymers, 899
Tertiary amide polymers, 837
Thermal degradation, 121, 463
Thermally induced crosslinking, 1477
Thermally induced relaxation processes, 587
Thermally stimulated current (TSC), 587
Thermally stimulated depolarization current (TSDC), 1315
Thermal oxidative degradation, 755
Thermal stability, 201, 239
Thermodynamics, 1125
Thermogravimetric analysis (TGA), 857, 1525, 1759
Thermomechanical analysis (TMA), 1339
Thermoplastic elastomers, 387
Thermoplastic polymers, 1251
Thermoplastic polyurethane elastomers (TPUs), 1425
Thermoplastics, 527
Thermosets, 331
Thermosetting cure diagrams, 709
Thermosetting polyimides, 1073
Thermotropic liquid crystalline polymer (LCP), 575
Third-order nonlinear optical polymer, 677
Time-temperature-transformation (TTT) diagram, 1745
Time–temperature–transformation (TTT) isothermal cure diagram, 709
Titanium dioxide pigment, 847
Torsional braid analysis, 429
Total strain, 877
Transmission electron microscopy (TEM), 39, 121
Transport coefficients, 1795
Twin-screw extruder, 1365
Two-phase polymeric materials, 39

Ultimate tensile strength (UTS), 1491
Ultrafiltration membranes, 1011
Ultra-high modulus and molecular weight polyethylene (UHMWPE) fibers, melting behaviors of, 347
Ultrasonically induced free radicals, 247
Ultraviolet (UV) cured coatings, 275
Ultraviolet (UV) radiation, 1563
Unsaturated polyester (UP) resins, 1351
Upper critical solution temperature (UCST), 1179
UV-curable protective coatings, 1833

Vibration damping, 1107
Vrentas–Duda theory for diffusion coefficients, 85
Vulcanizates, 193, 877, 953
Vulcanization, 735

Water absorbency, 1533
Water absorption, in polyimide films, 59
Water-based coatings, 1139
Water, influence on polymer formation, 769
Water-soluble polymers, 309
Weak acidic cational exchange fibers, 405
Well-defined sequence, wholly aromatic copolyester/esteramides, 621
Wet phase inversion method, 999
Wide angle x-ray scattering (WAXS), 347

X-ray diffraction, 131, 1723
X-ray photoelectron spectroscopy (XPS), 763, 825, 1539

Ziegler-Natta polymerization, 1605

Journal of Applied Polymer Science

Author Index to Volume 53

Abdulla, A. See Obori, H., 993
Abe, A. See Suto, S., 169
Abhiraman, A. S. See Srinivasan, R., 1731
Agarwal, S.
—; Choudhary, V.; Varma, I. K.: Structure–Property Relationship in Copolymers of Methacrylic Acid Esters. I. Thermal Behavior, 1525
Aharoni, S. M.
Graft-Copolyamide Molecular Composites, 1615
Alam, S.
—; Kandpal, L. D.; Varma, I. K.: Methyl Nadimide Resins: Synthesis and Characterization, 1073
Albérola, N. D. See Bas, C., 1745
Allcock, H. R. See Andrianov, A. K., 1573
Althoff, O. See Man, H. T., 641
Alvarez, E. See Hughes, O. R., 485
Aminabhavi, T. M.
—; Phayde, H. T. S.: Molecular Transport of Organic Esters into Tetrafluoroethylene/Propylene Copolymer Membranes, 1795
Anderson, J. M. See Wu, Y. K., 1037
Andres, T. E. See Hughes, O. R., 485
Andrianov, A. K.
—; Payne, L. G.; Visscher, K. B.; Allcock, H. R.; Langer, R.: Hydrolytic Degradation Of Ionically Cross-Linked Polyphosphazene Microspheres, 1573
Angel, S. M. See Lyon, R. E., 1805
Angulo-Sanchez, J. L.
—; Ortega-Ortiz, H.; Sanchez-Valdes, S.: Photodegradation of Polyethylene Films Formulated with a Titanium-Based Photosensitizer and Titanium Dioxide Pigment, 847
Argon, A. S. See Spiegelberg, S. H., 1251
Audebert, R. See Collette, C., 755
Audouin, L. See Matisová-Rychlá, L., 1375
Auerbach, A. See Kanai, H., 527
Augusta, S.
—; Gruber, H. F.; Streichsbier, F.: Synthesis and Antibacterial Activity of Immobilized Quaternary Ammonium Salts, 1149
Aversa, T. R. See Chen, R. T., 471
Ayad, M. M.
Quartz Crystal Microbalance Study for Chemical Synthesis of Polypyrrole, 1331

Baer, E. See Cheng, C., 513; Wu, Y. K., 1037
Bajaj, P.
—; Goyal, M.; Chavan, R. B.: Synthesis and Characterization of Methacrylic Acid-Ethyl Acrylate Copolymers, 1771
Bapat, A. M. See Shirodkar, V. S., 1397
Bas, C.
—; Battesti, P.; Albérola, N. D.: Crystallization and Melting Behaviors of Poly(aryletherether ketone) (PEEK) on Origin of Double Melting Peaks, 1745
Bataille, P. See Belgacem, M. N., 379
Battesti, P. See Bas, C., 1745
Beckman, E. J. See Diaf, A., 857
Belgacem, M. N.
—; Bataille, P.; Sapieha, S.: Effect of Corona Modification on the Mechanical Properties of Polypropylene/Cellulose Composites, 379
Bernreitner, K. See Gahleitner, M., 283
Bhat, N. V.
—; Shaikh, Y. B.: Synthesis and Structural Investigation of Conductive Composites from Cellophane and Polypyrrole, 187
—; See Shirodkar, V. S., 1397
Bhowmick, A. K. See Chaki, T. K., 141
Bilgiç, T. See Kahraman, R., 1129
Blackman, G. See Rühe, J., 825
Boomgaard, TH. V. D. See Wessling, M., 1497
Borneman, Z. See Wessling, M., 1497
Borzo, M. See Choe, E.-W., 621
Boscoletto, A. B.
—; Checchin, M.; Tavan, M.; Camino, G.; Costa, L.; Luda, M. P.: Combustion and Fire Retardance of Poly(2,6-dimethyl-1,4-phenylene ether)–High-Impact Polystyrene Blends. I. Morphological Aspects, 121

Brady, R. F., Jr. See Pawlikowski, G. T., 899
Brar, A. S.
—; Charan, S.: Sequence Determination of Vinyl Acetate–Methyl Acrylate Copolymers by NMR Spectroscopy, 1813
Brasington, C. R.
—; Gadala-Maria, F.: Classification of Nylon 66 Impurities Using Digital Image Processing, 747
Bravar, M. See Leskovac, M., 1717
Brosse, J.-C. See Poncin-Epaillard, F., 1291
Brouard, R. See Collette, C., 755
Bussi, P.
—; Ishida, H.: Partially Miscible Blends of Epoxy Resin and Epoxidized Rubber: Structural Characterization of the Epoxidized Rubber and Mechanical Properties of the Blends, 441

Callahan, R. W. See Chen, R. T., 471
Calundann, G. See Gupta, B., 575
Camino, G. See Boscoletto, A. B., 121
Campanelli, J. R.
—; Cooper, D. G.; Kamal, M. R.: Catalyzed Hydrolysis of Polyethylene Terephthalate Melts, 985
Cao, A. See Huang, J., 1391
Carr, P. L.
—; Davies, G. R.; Ward, I. M.: Measurement of Polar Orientation in Poled Side-Chain NLO Polymers Using Infrared Spectroscopy, 633
Cassagnau, P. See De Loor, A., 1675
Cassidy, P. E. See Rushing, R. A., 1211
Chabanne, P.
—; Tighzert, L.; Pascault, J.-P.: Monoepoxy Polymerization Initiated by BF_3-Amine Complexes in Bulk. II. Influence of Water and By-Products on Polymer Formation, 769
—; Tighzert, L.; Pascault, J.-P.: Monoepoxy Polymerization Initiated by BF_3-Amine Complexes in Bulk. III. Influence of γ-Butyrolactone on Polymer Formation, 787
Chaki, T. K.
—; Roy, S.; Despande, R. S.; Majali, A. B.; Tikku, V. K.; Bhowmick, A. K.: Electron-Beam-Initiated Grafting of Triallyl Cyanurate onto Polyethylene: Structure and Properties, 141
Chakraborty, B. C. See Mathew, A., 1107
Chakraborty, D. See Das, B., 1491
Chan, K. K. See Wu, C., 1323
Chan, W.-M.
—; Nascimento, C. A. O.: Use of Neural Networks for Modeling of Olefin Polymerization in High Pressure Tubular Reactors, 1277
Chang, W. L.
Decomposition Behavior of Polyurethanes via Mathematical Simulation, 1759
Charan, S. See Brar, A. S., 1813
Charbonneau, L. F. See Gupta, B., 575
Chavan, R. B. See Bajaj, P., 1771
Checchin, M. See Boscoletto, A. B., 121
Chen, L. W. See Wang, Y. Z., 1191
Chen, P. N. See Hughes, O. R., 485
Chen, R. T.
—; Saw, C. K.; Jamieson, M. G.; Aversa, T. R.; Callahan, R. W.: Structural Characterization of Celgard® Membrane Precursors: Melt-Extruded Polyethylene Films, 471
Cheng, C.
—; Peduto, N.; Hiltner, A.; Baer, E.; Soskey, P. R.; Mylonakis, S. G.: Comparison of Some Butadiene-Based Impact Modifiers for Polycarbonate, 513
Cherdron, H.
—; Haubs, M.; Herold, F.; Schneller, A.; Herrmann-Schönherr, O.; Wagener, R.: Miscible Blends of Polybenzimidazole and Polyaramides with Polyvinylpyrrolidone, 507
Chevet, B. See Poncin-Epaillard, F., 1291
Chike, K. E. See Lyon, R. E., 1805
Chin, E. See Venditti, R. A., 455
Cho, H. H. See Kim, H. S., 1403
Cho, W. J. See Park, C. K., 967
Choe, E.-W.
Catalysts for the Preparation of Polybenzimidazoles, 497
—; Borzo, M.: Synthesis and Randomization of Well-Defined Sequence, Wholly Aromatic Copolyester/Esteramides, 621
Choi, K. Y.
—; Zhao, X.; Tang, S.: Population Balance Modeling for a Continuous Gas Phase Olefin Polymerization Reactor, 1589
Chou, H.-C. See Liu, Y., 247
Choudhary, V. See Agarwal, S., 1525
Chu, Y.-H. See Lai, J.-Y., 999
Chung, T.-S.
—; Kafchinski, E. R.; Kohn, R. S.; Foley, P.; Straff, R. S.: Fabrication of Composite Hollow Fibers for Air Separation, 701
Clarke, T. See Rühe, J., 825
Cohen, R. E. See Spiegelberg, S. H., 1251

Collette, C.
—; Lafuma, F.; Audebert, R.; Brouard, R.: Macromolecular Systems in Heat-Resistant Drilling Fluids; Advantages of Gels on Linear Polymers, 755
Collins, G.
—; Long, B.: A Thermally Stimulated Current/ Relaxation Map Analysis of the Relaxation Processes in Aromatic Polyester, Liquid Crystal Polymer Film, 587
Cooper, D. G. See Campanelli, J. R., 985
Cooper, W. M. See Hughes, O. R., 485
Costa, L. See Boscoletto, A. B., 121
Curran, S. See Hewes, J. D., 291
Čvorkov, L.
—; Vlatković, B.; Veličković, J.: The Effect of Fillers on Relaxation Phenomena of Vulcanized Styrene–Butadiene Elastomers, 193

Dai, J.
—; Goh, S. H.; Lee, S. Y.; Siow, K. S.: Complexation Between Poly(2-Hydroxypropyl Methacrylate) and Three Tertiary Amide Polymers, 837
Das, B.
—; Chakraborty, D.; Hajra, A. K.; Sinha, S.: Epoxy/ Poly(Methyl Methacrylate) Interpenetrating Polymer Networks—Morphology, Mechanical and Thermal Properties, 1491
Davies, G. R. See Carr, P. L., 633
Dayal, U.
High-Temperature SEC Coupled with MALLS Detector for Evaluating the End-Use Performance of LDPE, 1557
De Loor, A.
—; Cassagnau, P.; Michel, A.; Vergnes, B.: Development and Control of a Blend Morphology by *In situ* Cross-Linking of the Dispersed Phase, 1675
De, P. P. See Manoj, N. R., 361
De, S. K. See Mallick, A., 1477; Manoj, N. R., 361
Deb, P. C. See Mathew, A., 1103, 1107
Desai, P. See Srinivasan, R., 1731
Despande, R. S. See Chaki, T. K., 141
Devi, S. See Sathe, S. N., 239
Diaf, A.
—; Garcia, J.; Beckman, E. J.: Thermally Reversible Polymeric Sorbents for Acid Gases: CO_2, SO_2, and NOx, 857
Diakoumakos, C. D.
—; Mikroyannidis, J. A.: Cyano-Substituted Polyester, Polyurethanes, and Epoxy Resin Derived from 2,6-Bis(4-hydroxybenzylidene)-1-dicyanomethylene–Cyclohexane, 201
Dickerson, J. P.
—; Flesher, L. M.; Hester, R. D.: A High Reynolds Number Rotating Disk Rheometer, 151
Dimov, A. See Godjevargova, TS., 729
DiSano, L. P. See Hughes, O. R., 485
Dolui, S. K.
Unusual Effect of Filler ($CaCO_3$) on Thermal Degradation of Polyurethane, 463
D'Orazio, L.
—; Mancarella, C.; Martuscelli, E.; Sticotti, G.; Ghisellini, R.: Thermoplastic Elastomers from iPP/EPR Blends: Crystallization and Phase Structure Development, 387
Duan, M.-L. See Gao, J.-P., 1091
Durant, Y. G.
—; Sundberg, D. C.; Guillot, J.: Determination of Interfacial Tensions for Latex Particles, 1469
Dušek, K. See Špírková, M., 1435

Eckersley, S. T.
—; Rudin, A.: The Film Formation of Acrylic Latexes: A Comprehensive Model of Film Coalescence, 1139
El-Khodary, A. See Migahed, M. D., 1315
Endo, T. See Kanazawa, A., 1237, 1245
Erdoğan, M. See Kahraman, R., 1129
Eromosele, I. C.
Graft Copolymerization of Acrylic Acid onto Caesarweed Fibers by Cerric Ion–Toluene Redox Pair, 1709

Fahmy, T. See Migahed, M. D., 1315
Feng, Z. See Han, Y., 19
Findakly, T. See Jacobson, S., 649
Flesher, L. M. See Dickerson, J. P., 151
Fodor, J. S.
—; Hill, D. A.: Dielectric Normal-Mode Relaxation of Entangled *cis*-Polyisoprene Melts: Effects of Polydispersity, 1599
Foley, P. See Chung, T.-S., 701
Friedrich, Chr. See Gleinser, W., 39
Frisch, K. C. See Suthar, B., 1083
Furukawa, M.
—; Yokoyama, T.: Mechanical Properties of Organic-Inorganic Polyurethane Elastomers. I. $AI(OH)_3$–Polyurethane Composites Based on PPG, 1723

Gadala-Maria, F. See Brasington, C. R., 747

Gahleitner, M.
—; Bernreitner, K.; Neißl, W.: Correlations Between Rheological and Mechanical Properties of Mineral Filled Polypropylene Compounds, 283
Gao, J.-P.
—; Tian, R.-C.; Yu, J.-G.; Duan, M.-L.: Graft Copolymers of Methy Methacrylate onto Canna Starch Using Manganic Pyrophosphate as an Initiator, 1091
Gao, Y.
—; Xiu, Y.-Y.; Pan, Z.-Q.; Wang, D.-N.; Hu, C.-P.; Ying, S.-K.: Effect of Aromatic Diamine Extenders on the Morphology and Property of RIM Polyurethane–Urea, 23
Garcia, J. See Diaf, A., 857
Ghatani, S. S. See Sounik, J. R., 677
Ghisellini, R. See D'Orazio, L., 387
Gilbert, R. D. See Taylor, M. B., 1385
Gillberg, G.
—; Leube, H.; McKenzie, L.; Pruksarnukul, L.; Reeder, L.: Self-Assembled Structures of Azobenzene Amphiphiles: A New Photorecording Medium, 687
Gillham, J. K. See Simon, S. L., 709; Venditti,R. A., 455
Gleinser, W.
—; Maier, D.; Schneider, M.; Weese, J.; Friedrich, Chr.; Honerkamp, J.: Estimation of Sphere-Size Distributions in Two-Phase Polymeric Materials from Transmission Electron Microscopy Data, 39
Godjevargova, TS.
—; Dimov, A.: Concentration of Biological Liquids by Dialysis with Modified Acrylonitrile Copolymer Membranes, 729
Goh, S. H. See Dai, J., 837
Goldberg, H. A. See McCaulley, J. A., 543
Gorgol, A. See Rayss, J., 1833
Gowda, N. M. N. See Reddy, P. V., 1307
Goyal, M. See Bajaj, P., 1771
Griffin, A. C. See He, C., 561
Groeninckx, G. See Vermeesch, I., 1365
Gruber, H. F. See Augusta, S., 1149
Guillot, J. See Durant, Y. G., 1469
Gupta, A. K. See Srinivasan, K. R., 1
Gupta, B.
—; Calundann, G.; Charbonneau, L. F.; Linstid, H. C.; Shepherd, J. P.; Sawyer, L. C.: Development of *In Situ* Blends of Poly(*p*-oxybenzoate-*co*-*p*-phenyleneisophthalate) with Other Thermotropic Liquid Crystalline Polymers, 575
Gupta, B. S.
—; McDowall, D. J.; Stannett, V. T.: A Morphological Examination of Ceric Ion and Preirradiation Acrylic Acid-Grafted Rayon Fibers, 1221
Gupta, K. C.
Kinetics of Radical Polymerization of *N*-vinylpyrrolidone by Peroxidiphosphate–Ag^+ System, 71
Gupta, S. K. See Kulkarni, M. R., 85

Ha, C. S. See Park, C. K., 967
Hajra, A. K. See Das, B., 1491
Han, Y.
—; Yang, Y.; Li, B.; Feng, Z.: Ductile Tearing Instability in Phenolphthalein Poly(ether ketone), 19
Hanmin, Z. See Yun, L., 405
Hashimoto, K.
—; Sugata, T.; Mashita, A.; Okada, M.: Facilitated Permeation of Myoglobin Through Porous Membranes: Different Permeation Behavior Through Membranes of Polyoxyethylene- and Dextran-Conjugated Polyamides Prepared by Quasi-Living Polymerization of a Bicyclic Lactam, 915
Haubs, M. See Cherdron, H., 507
Hayashi, S. See Hirai, T., 79
He, C.
—; Griffin, A. C.; Windle, A. H.: Rigid Rod Polyamides Based on 2,2′,6,6′-Tetrasubstituted Biphenyls: Synthesis, Characterization, and Structures, 561
He, J. See Qian, B., 1261
He, Z. A. See Thames, S. F., 275
Herold, F. See Cherdron, H., 507
Herrmann-Schönherr, O. See Cherdron, H., 507
Hester, R. D. See Dickerson, J. P., 151
Hewes, J. D.
—; Curran, S.; Leone, E. A.: The Direct Fluorination of a Porous Functionalized Polymer, 291
Higuchi, M. See Yoshinobu, M., 1203
Hill, D. A. See Fodor, J. S., 1599
Hiltner, A. See Cheng, C., 513; Wu, Y. K., 1037
Hirai, M. See Hirai, T., 79
Hirai, T.
—; Nemoto, H.; Hirai, M.; Hayashi, S.: Electrostriction of Highly Swollen Polymer Gel: Possible Application for Gel Actuator, 79
Ho, B.-C.
—; Lin, Y.-S.; Lee, Y.-D.: Synthesis and Characteristic of Organic

Soluble Photoactive Polyimides, 1513
Holcomb, D. R. See Sounik, J. R., 677
Honerkamp, J. See Gleinser, W., 39
Hong, J.-L.
—; Wang, C.-K.; Lin, R.-H.: Cure Kinetics of Different Molar Ratios of 4,4′-Bis-maleimidodiphenylmethane and Bisphenol A Dicyanate, 105
Hong, L. See Ruckenstein, E., 923
Hornof, V. See Touhami, Y., 309
Hornsby, P. R.
—; Tung, J. F.; Tarverdi, K.: Characterization of Polyamide 6 Made by Reactive Extrusion. I. Synthesis and Characterization of Properties, 891
Houlihan, F. M. See Venditti, R. A., 455
Hsieh, K. H. See Wang, Y. Z., 1191
Hsieh, Y.-L.
—; Ju, J.: Melting Behavior of Ultra-High Modulus and Molecular Weight Polyethylene (UHMWPE) Fibers, 347
Hu, C.-P. See Gao, Y., 23
Hu, N. See Liu, G., 1699
Hu, P. See Qian, B., 1261
Huang, B. See Tang, T., 355
Huang, J.
—; Sun, J.; Cao, A.; Wang, Q.: Poly(*N*-p-pyridyl-2,3-dimethylenepyrrolidine) as a Supernucleophilic Reagent (Note), 1391
Huang, R. Y. M. See Wei, Y., 179
Huang, S.-L. See Lai, J.-Y., 999
Hughes, O. R.
—; Chen, P. N.; Cooper, W. M.; DiSano, L. P.; Alvarez, E.; Andres, T. E.: PBI Powder Processing to Performance Parts, 485
Hyršl, J. See Podzimek, Š., 1351

Ichimura, H. See Kawatsuki, N., 973
Ikada, Y. See Tsuji, H., 1061
Ikeda, T. See Kanazawa, A., 1237, 1245
Ishida, H. See Bussi, P., 441
Ishra, M. See Migahed, M. D., 1315

Jabarin, S. A.
—; Lofgren, E. A.: Photooxidative Effects on Properties and Structure of High-Density Polyethylene, 411
Jacobson, S.
—; Landi, P.; Findakly, T.; Stamatoff, J.; Yoon, H.: Nonlinear Optical Polymers in Advanced Photonics, 649
Jaffe, M. See Makhija, S., 609
Jain, S. R. See Thangamathesvaran, P. M., 1339
Jamieson, M. G. See Chen, R. T., 471
Janigova, I. See Matisová-Rychlá, L., 1375
Jathar, R. T. See Shirodkar, V. S., 1397
Jelcic, Z. See Suthar, B., 1083
Jeng, G.-P. C. See Liaur, W.-B., 1687
Jeong, H. M. See Kim, B. K., 371
Jie, X. See Lei, R., 325
Johari, G. P. See Wasserman, S., 331
John, G.
—; Thomas, S. K.; Pillai, C. K. S.: Cardanyl Acrylate/Methacrylate Based Cross-Linked Copolymers as Novel Supports: Synthesis and Characterization, 1415
Ju, J. See Hsieh, Y.-L., 347
Jun, X. See Lei, R., 325
Jung, B. See Kang, Y. S., 317

Kafchinski, E. R. See Chung, T.-S., 701
Kahraman, R.
—; Erdoğan, M.; Bilgiç, T.; Savaşçi, Ö. T.: Propylene Polymerization in Slurry Catalyzed by Titanium Trichloride–Diethyl Aluminium Chloride, 1129
Kale, V.
—; Vedanayagam, H. S.; Subbarao, R.; Rao, M. B.: Kinetics of Reaction of C_{36} Dimer Acids with Diethylenetriamine and Triethylenetetramine for Reactive Polyamides, 807
Kamal, M. R. See Campanelli, J. R., 985
Kanai, H.
—; Sullivan, V.; Auerbach, A.: Impact Modification of Engineering Thermoplastics, 527
Kanazawa, A.
—; Ikeda, T.; Endo, T.: Polymeric Phosphonium Salts as a Novel Class of Cationic Biocides. VII. Synthesis and Antibacterial Activity of Polymeric Phosphonium Salts and Their Model Compounds Containing Long Alkyl Chains, 1237
—; Ikeda, T.; Endo, T.: Polymeric Phosphonium Salts as a Novel Class of Cationic Biocides. VIII. Synergistic Effect on Antibacterial Activity of Polymeric Phosphonium and Ammonium Salts, 1245
Kandpal, L. D. See Alam, S., 1073
Kang, E. T.
—; Ting, Y. P.; Tan, K. L.: Electroless Reduction and Precipitation of Gold from Acid Solution by Polypyrrole, 1539
Kang, Y. S.
—; Shin, E. M.; Jung, B.; Kim,

J.-J.: Composite Membranes of Poly(1-trimethylsilyl-1-propyne) and Poly(dimethyl Siloxane) and Their Pervaporation Properties for Ethanol-Water Mixture, 317

Kataoka, S. See Kumazawa, H., 113

Kawashima, N. See Kumazawa, H., 113

Kawatsuki, N.

—; Watanabe, R.; Tokuhara, T.; Uetsuki, M.; Nagata, S.; Ichimura, H.: High Temperature Stable Photopatternable Copolymers: Synthesis, Optical Properties, and Photopatterning Process Studies, 973

Khastgir, D. See Ray, I., 297

Kim, B. K.

—; Kim, T. K.; Jeong, H. M.: Aqueous Dispersion of Polyurethane Anionomers from H_{12}MDI/IPDI, PCL, BD, and DMPA, 371

Kim, H. S.

—; Cho, H. H.: Crystalline Structure of Polyacrylonitrile–Iodine Complex, 1403

Kim, J.-J. See Kang, Y. S., 317

Kim, T. K. See Kim, B. K., 371

Kiran, E. See Xiong, Y., 1179

Klásek, A.

—; Vaněk, P.: Vulcanization of Liquid Carboxyl-Terminated Rubber Filled with Leather Buffing Dust, 735

Klempner, D. See Suthar, B., 1083

Knorr, R. S. See Srinivasan, R., 1731

Kohmoto, K. See Suto, S., 169

Kohn, R. S. See Chung, T.-S., 701

Kojima, Y.

—; Matsuoka, T.; Takahashi, H.: Electrorheological Properties of Suspension of Diphenyldiacetylene Annealed Under Elevated Pressure (Note), 1393

Koops, G. H.

—; Nolten, J. A. M.; Mulder, M. H. V.; Smolders, C. A.: Selectivity as a Function of Membrane Thickness: Gas Separation and Pervaporation, 1639

Kothandaraman, H.

—; Sultan Nasar, A.; Lakshmi, R. K.: Synthesis and Thermal Dissociation of Phenol- and Naphthol-Blocked Diisocyanates, 31

Kovačević, V. See Leskovac, M., 1717

Krakovský, I. See Špírková, M., 1435

Kuan, S. See Rühe, J., 825

Kubín, M. See Špírková, M., 1435

Kulkarni, M. R.

—; Gupta, S. K.: Molecular Model for Solid-State Polymerization of Nylon 6. II. An Improved Model, 85

Kulkarni, S. D. See Shirodkar, V. S., 1397

Kumazawa, H.

—; Sada, E.; Nakata, K.; Kawashima, N.; Kataoka, S.; Tada, K.: Enrichment of Helium by Asymmetric Hollow-Fiber Membrane of Cellulose Triacetate, 113

Kuo, J.-F. See Liaur, W.-B., 1687

Kuriakose, B. See Varghese, S., 1051

Kwak, S.-Y.

Determination of Microphase Structure and Scale of Mixing in Poly-ε-caprolactone (PCL)/ Poly(vinyl chloride) (PVC) Blend by High-Resolution Solid-State ^{13}C-NMR Spectroscopy with Magic Angle Spinning and Cross Polarization, 1823

Lafuma, F. See Collette, C., 755

Lai, J.-Y.

—; Chu, Y.-H.; Huang, S.-L.; Yin, Y.-L.: Separation of Water–Alcohol Mixtures by Pervaporation Through Asymmetric Nylon 4 Membrane, 999

Lakshmi, R. K. See Kothandaraman, H., 31

Landi, P. See Jacobson, S., 649

Langer, R. See Andrianov, A. K., 1573

Leblanc, J. L.

—; Staelraeve, A.: Studying the Storage Maturation of Freshly Mixed Rubber Compounds and Its Effects on Processing Properties, 1025

Lee, J. K. See Park, C. K., 967

Lee, S. See Lee, T.-Y., 1605

Lee, S. Y. See Dai, J., 837

Lee, T.-Y.

—; Nitirahardjo, S.; Lee, S.: An Analytic Approach in Kinetic Modeling of Ziegler–Natta Polymerization of Butadiene, 1605

Lee, Y.-D. See Ho, B.-C., 1513

Lei, R.

—; Jie, X.; Jun, X.; Ruiyun, Z.: Structure and Properties of Polyvinyl Alcohol Amidoxime Chelate Fiber, 325

Leone, E. A. See Hewes, J. D., 291

Lerner, M. M. See Sloop, S. E., 1563

Leskovac, M.

—; Kovačević, V.; Stanojević, D.; Bravar, M.: Correlation Between Mechanical Properties and Degradation Processes of Poly(methyl methacrylate-*co*-butyl acrylate) Films, 1717

Leube, H. See Gillberg, G., 687

Li, B. See Han, Y., 19

Li, J. See Wan, M., 131

Li, J.-X.
Analysis of the Pullout of Single Fibers from Low-Density Polyethylene, 225
Li, M. See Wan, M., 131
Liao, K. See Lu, Z., 1453
Liaur, W.-B.
—; Ma, S.; Jeng, G.-P. C.; Kuo, J.-F.: Synthesis and Mesomorphic Behavior of Terminal Oligo(ethylene glycol) Monomethyl Ether-Substituted Low Molecular Weight Thermotropic Liquid Crystals, 1687
Likavec, W. R. See Waters, J. F., 59
Lin, M.-F.
—; Shu, Y.-C.: Modification of Nylon-6 with Semi-rigid Poly (*p*-diphenylmethyl terephthalamide) Using MDI as a Chain Extender, 51
Lin, R.-H. See Hong, J.-L., 105
Lin, S. See Lu, Z., 1453
Lin, W. See Lu, Y., 1461
Lin, Y.-S. See Ho, B.-C., 1513
Linstid, H. C. See Gupta, B., 575
Liu, G.
—; Xu, X.; Skupinska, K.; Hu, N.; Yao, H.: Cross-Linked Polymer Brushes. II. Formation and Properties of Poly(isobutyl vinyl ether)-*b*-Poly[2-(vinyloxy)ethyl cinnamate] Brushes, 1699
Liu, J. L. See Liu, S. B., 1165
Liu, J.-H.
Enantioface Differentiation by Chiral Polymers Containing Dimethylaminobornyl Moieties, 337
Liu, S. B.
—; Liu, J. L.; Yu, T. L.: Microgelation in the Curing Reaction of Unsaturated Polyester Resins, 1165
Liu, Y.
—; Chou, H.-C.; Stoffer, J. O.: Analysis of Ultrasonically Induced Free Radicals in the Emulsion Polymerization System by GC–MS, 247
Liu, Z. See Wan, M., 131
Lodoen, G. A. See Wu, Y. K., 1037
Lofgren, E. A. See Jabarin, S. A., 411
Long, B. See Collins, G., 587
Lu, Y.
—; Wu, C.; Lin, W.; Tang, L.; Zeng, H.: Preparation and Adsorption Properties of the Chelating Fibers Containing Amino Groups, 1461
Lu, Z.
—; Liao, K.; Lin, S.: Copolymerization of Ethylene and Styrene with Supported $TiCl_4/NdCl_3$ Catalyst, 1453
Luda, M. P. See Boscoletto, A. B., 121
Luo, X. See Wu, C., 1323
Lyon, R. E.
—; Chike, K. E.; Angel, S. M.: *In Situ* Cure Monitoring of Epoxy Resins Using Fiber-Optic Raman Spectroscopy, 1805

Ma, C.-C. M. See Yn, M.-S., 213
Ma, D. See Wu, C., 1323
Ma, S. See Liaur, W.-B., 1687
Maehara, T. See Yamamoto, K., 255
Mai, K.
—; Zeng, H.: High-Performance Semi-Interpenetrating Polymer Networks Based on Acetylene-Terminated Sulfone. II. Phase Separation and Morphology, 1653
Maier, D. See Gleinser, W., 39
Majali, A. B. See Chaki, T. K., 141
Makhija, S.
—; Jaffe, M.: Synthesis and Characterization of Aromatic Copolyesters with Different Monomer Sequences, 609
Mallick, A.
—; Tripathy, D. K.; De, S. K.: Thermally Induced Crosslinking between Polyacrylic Acid and Epoxidized Natural Rubber. Part III. Effect of Carbon Black Filler and Mixer Rotor Speed, 1477
Man, H. T.
—; Shu, C. F.; Althoff, O.; McCulloch, I. A.; Polis, D.; Yoon, H. N.: Molecular and Macroscopic NLO Properties of Organic Polymers, 641
—; See McCulloch, I., 665
Mancarella, C. See D'Orazio, L., 387
Manoj, N. R.
—; De, P. P.; De, S. K.; Peiffer, D. G.: Self-Crosslinkable Blend of Zinc-Sulfonated EPDM and Epoxidized Natural Rubber, 361
Martuscelli, E. See D'Orazio, L., 387
Mashita, A. See Hashimoto, K., 915
Mathew, A.
—; Chakraborty, B. C.; Deb, P. C.: Studies on Interpenetrating Polymer Networks Based on Nitrile Rubber-Poly(vinyl chloride) Blends and Poly(alkyl methacrylates), 1107
—; Deb, P. C.: Studies on Semiinterpenetrating Polymer Networks Based on Poly(vinyl chloride-*co*-vinyl acetate) and Poly(alkyl methacrylates), 1103
Matisová-Rychlá, L.
—; Rychlý, J.; Verdu, J.; Audouin, L.; Tcharkhtchi, A.; Janigova, I.: Chemiluminescence from Amine Cured Epoxy Resins

Modified with Halogenated Phenylglycidyl Ethers, 1375
Matsuoka, T. See Kojíma, Y., 1393
McCaulley, J. A.
—; Goldberg, H. A.: Composition Depth Profiles of Plasma-Fluorinated Poly(ethylene terephthalate) Fibers, 543
McCulloch, I.
—; Man, H.-T.; Song, K.: Mechanical Failure in Thin-Film Nonlinear Optical Polymers: Structure and Processing Issues, 665
McCulloch, I. A. See Man, H. T., 641
McDowall, D. J. See Gupta, B. S., 1221
McGrath, J. E. See Risch, B. G., 933
McKenzie, L. See Gillberg, G., 687
Meikleham, N. E.
—; Pizzi, A.: Acid- and Alkali-Catalyzed Tannin-Based Rigid Foams, 1547
Meinecke, E. A. See Pham, H. T., 257, 265
Michel, A. See De Loor, A., 1675
Migahed, M. D.
—; Ishra, M.; El-Khodary, A.; Fahmy, T.: TSDC and the Role of Space Charge in Polyacrylonitrile/Methylacrylate Copolymer Films, 1315
Mikroyannidis, J. A.
Polyamides and Polyimides Prepared from Diaminomaleonitrile and Their Cross-Linking to Thermally Stable Resins, 1357
Mikroyannidis, J. A. See Diakoumakos, C. D., 201
Mishra, V.
—; Murphy, C. J.; Sperling, L. H.: Interpenetrating Polymer Networks Based on Thermoplastic Polyurethanes (TPUs) and *cis*-1,4-Polyisoprene, 1425
Mitani, K. See Yamamoto, K., 255
Mizoguchi, K. See Yamasaki, A., 1669
Mizutani, Y. See Nagō, S., 1579; Yamamoto, K., 255
Morita, M. See Yoshinobu, M., 1203
Mulder, M. H. V. See Koops, G. H., 1639
Murphy, C. J. See Mishra, V., 1425
Mylonakis, S. G. See Cheng, C., 513

Nachane, R. P.: Inverse Creep (Note), 1123
Nagata, S. See Kawatsuki, N., 973
Nagō, S.
—; Mizutani, Y.: Microporous Polypropylene Hollow Fibers Containing Poly(methylsilsesquioxane) Fillers, 1579
Nakamura, A. See Obori, H., 993
Nakata, K. See Kumazawa, H., 113
Namboodiri, C. S. S.
—; Tripathy, D. K.: Static and Dynamic Strain-Dependent Viscoelastic Behavior of Black-Filled EPDM Vulcanizates, 877
Nascimento, C. A. O. See Chan, W.-M., 1277
Neale, G. H. See Touhami, Y., 309
Neißl, W. See Gahleitner, M., 283
Nemoto, H. See Hirai, T., 79
Nitirahardjo, S. See Lee, T.-Y., 1605
Noah, J. N.
—; Prud'homme, R. E.: Spectroscopic Analysis of Fraké Treated with Periodic Acid. I. Electron Spectroscopy for Chemical Analysis (ESCA), 763
Nolten, J. A. M. See Koops, G. H., 1639
Norwood, R. A. See Sounik, J. R., 677
Novotny, V.-J. See Rühe, J., 825

Obori, H.
—; Takenaga, M.; Abdulla, A.; Nakamura, A.: Nonstationary Peeling Apparatus, 993
Ogawa, T.
—; Yamada, T.: A Numerical Prediction of Peak Area in Loss Factor for Polymers, 1663
Okada, M. See Hashimoto, K., 915
O'Keefe, M. J.
—; Rigsbee, J. M.: Influence of Substrate Material and Ion Bombardment on Plasma-Deposited Fluorocarbon Thin Films, 1631
Ortega-Ortiz, H. See Angulo-Sanchez, J. L., 847

Pan, Z. See Zhao, J., 1447
Pan, Z.-Q. See Gao, Y., 23
Pandya, M. V. See Shah, C. S., 953
Park, C. K.
—; Ha, C. S.; Lee, J. K.; Cho, W. J.: Syntheses of Copolymers of Chloroprene with Ethylmethacrylate and Glycidylmethacrylates, 967
Pascault, J.-P. See Chabanne, P., 769, 787
Patni, M. J. See Shah, C. S., 953
Paull, D. G. See Sloop, S. E., 1563
Pawlikowski, G. T.
—; Brady, R. F., Jr.: Preparation and Thermal Properties of Acrylic Polymers With Pendant Spirobislactone Groups, 899
Payne, L. G. See Andrianov, A. K., 1573
Peduto, N. See Cheng, C., 513
Peiffer, D. G. See Manoj, N. R., 361
Petrovic, Z. See Suthar, B., 1083

Pham, H. T.
—; Meinecke, E. A.: A Squeeze Film Flow Processibility Tester, 265
—; Meinecke, E. A.: Squeeze Film Rheology of Polymer Melts: Determination of the Characteristic Flow Curve, 257
Phayde, H. T. S. See Aminabhavi, T. M., 1795
Pillai, C. K. S. See John, G., 1415
Pizzi, A. See Meikleham, N. E., 1547
Podkościelny, W.
—; Rudż, W.: Linear Polythioesters. XXII. Products of Interfacial Polycondensation of Bis(4-mercaptomethylphenyl) Sulfide with Some Aliphatic and Isomeric Phthaloyl Dichlorides, 815
Podkoscielny, W. M. See Rayss, J., 1833
Podzimek, Š.
—; Hyršl, J.: GPC and HPLC Characterization of Unsaturated Polyester Resins, 1351
Polis, D. See Man, H. T., 641
Poncin-Epaillard, F.
—; Chevet, B.; Brosse, J.-C.: Modification of Isotactic Polypropylene by a Cold Plasma or an Electron Beam and Grafting of the Acrylic Acid onto These Activated Polymers, 1291
Popolo, J. See Sounik, J. R., 677
Prud'homme, R. E. See Noah, J. N., 763
Pruksarnukul, L. See Gillberg, G., 687

Qian, B.
—; Zhu, J.; He, J.; Hu, P.; Wu, C.: Macromolecular Entanglement. IV. Modulus of Swelling Acrylic Fibers as a Means of Studying Macromolecular Entanglements, 1261

Rao, G. S. S. See Sathe, S. N., 239
Rao, M. B. See Kale, V., 807
Ray, A. R. See Singh, D. K., 1115
Ray, I.
—; Khastgir, D.: EVA–EPDM Blends as Cable Insulant, 297
Rayss, J.
—; Podkoscielny, W. M.; Widomski, J.; Gorgol, A.: Determination of Adhesion of UV-Curable Protective Coatings of Optical Fibers (Note), 1833
Reddy, P. V.
—; Gowda, N. M. N.: Acetylacetonates of Nickel(II) and Copper(II) as Accelerators for the Epoxy Resin System, 1307
Reeder, L. See Gillberg, G., 687
Rigsbee, J. M. See O'Keefe, M. J., 1631
Risch, B. G.
—; Wan, I-Y.; McGrath, J. E.; Wilkes, G. L.: Generation and Structure–Property Behavior of Novel Liquid Crystalline Foams Produced via a Gas Supersaturation Technique, 933
Ritchey, W. M. See Waters, J. F., 59
Roy, S. See Chaki, T. K., 141
Ruckenstein, E.
—; Hong, L.: Conducting Rubberlike Copolymer–Carbon Fiber Composites, 923
Rudin, A. See Eckersley, S. T., 1139
Rudż, W. See Podkościelny, W., 815
Rühe, J.
—; Blackman, G.; Novotny, V.-J.; Clarke, T.; Street, G. B.; Kuan, S.: Terminal Attachment of Perfluorinated Polymers to Solid Surfaces, 825
Ruiyun, Z. See Lei, R., 325
Rushing, R. A.
—; Thompson, C.; Cassidy, P. E.: Investigation of Polyamine Quinones as Hydrophobic Curatives for Epoxy Resins, 1211
Rychlý, J. See Matisová-Rychlá, L., 1375

Sada, E. See Kumazawa, H., 113
Sakata, I. See Yoshinobu, M., 1203
Sanchez-Valdes, S. See Angulo-Sanchez, J. L., 847
Sanderson, R. D.
—; Schneider, D. F.; Schreuder, I.: Synthesis and Evaluation of Dialkyl Furan-2,5-Dicarboxylates as Plasticizers for PVC, 1785
Sapieha, S. See Belgacem, M. N., 379
Sathe, S. N.
—; Rao, G. S. S.; Devi, S.: Grafting of Maleic Anhydride onto Polypropylene: Synthesis and Characterization, 239
Savaşçi, Ö. T. See Kahraman, R., 1129
Saw, C. K. See Chen, R. T., 471
Sawyer, L. C. See Gupta, B., 575
Schàuer, J.
Pervaporation of Ethanol-Organic Solvent Mixtures Through Poly(2,6-dimethyl-1,4-phenylene Oxide) Membrane, 425
Schneider, D. F. See Sanderson, R. D., 1785
Schneider, M. See Gleinser, W., 39
Schneller, A. See Cherdron, H., 507
Schreuder, I. See Sanderson, R. D., 1785
Shah, C. S.
—; Patni, M. J.; Pandya, M. V.: High-Energy Radiation-Resistant Vulcanizates. Part II. EPDM, 953
Shaikh, Y. B. See Bhat, N. V., 187

Shepherd, J. P. See Gupta, B., 575
Shin, E. M. See Kang, Y. S., 317
Shirodkar, V. S.
—; Jathar, R. T.; Bapat, A. M.; Kulkarni, S. D.; Bhat, N. V.: Polymerization of Acrylonitrile Using Magnetron Deposition Technique, 1397
Shu, C. F. See Man, H. T., 641
Shu, Y.-C. See Lin, M.-F., 51
Simon, S. L.
—; Gillham, J. K.: Thermosetting Cure Diagrams: Calculation and Application, 709
Singh, D. K.
—; Ray, A. R.: Graft Copolymerization of 2-Hydroxyethylmethacrylate onto Chitosan Films and Their Blood Compatibility, 1115
Sinha, S. See Das, B., 1491
Siow, K. S. See Dai, J., 837
Skupinska, K. See Liu, G., 1699
Sletten, K. R. See Wu, Y. K., 1037
Sloop, S. E.
—; Lerner, M. M.; Stephens, T. S.; Tipton, A. L.; Paull, D. G.; Stenger-Smith, J. D.: Cross-Linking Poly(ethylene oxide) and Poly[oxymethylene-oligo(oxyethylene)] with Ultraviolet Radiation, 1563
Smolders, C. A. See Koops, G. H., 1639; Wessling, M., 1497
Smolders, C. A. See Wienk, I. M., 1011
So, K. L. See Wu, C., 1323
Song, K. See McCulloch, I., 665
Soskey, P. R. See Cheng, C., 513
Sounik, J. R.
—; Norwood, R. A.; Popolo, J.; Holcomb, D. R.; Ghatani, S. S.: Silicon Phthalocyanine/Methyl Methacrylate Copolymer Slab Directional Couplers for All-Optical Switching, 677
Špaček, P. See Špírková, M., 1435
Sperling, L. H. See Mishra, V., 1425
Spiegelberg, S. H.
—; Argon, A. S.; Cohen, R. E.: Kinetics of Crazing in Polybutadiene/Polystyrene Blends, 1251
Špírková, M.
—; Kubín, M.; Špaček, P.; Krakovský, I.; Dušek, K.: Cyclotrimerization of Isocyanate Groups. II. Catalyzed Reactions of Phenyl Isocyanate in the Presence of 1-Butanol or Butyl-*N*-Phenylurethane, 1435
Srinivasan, K. R.
—; Gupta, A. K.: Mechanical Properties and Morphology of PP/SEBS/PC Blends, 1
Srinivasan, R.
—; Desai, P.; Abhiraman, A. S.; Knorr, R. S.: Solid-State Polymerization Vis-a-Vis Fiber Formation of Step-Growth Polymers. I. Results from a Study of Nylon 66, 1731
Staelraeve, A. See Leblanc, J. L., 1025
Stamatoff, J. See Jacobson, S., 649
Stannett, V. T. See Gupta, B. S., 1221
Stannett, V. T. See Taylor, M. B., 1385
Stanojević, D. See Leskovac, M., 1717
Stenger-Smith, J. D. See Sloop, S. E., 1563
Stephens, T. S. See Sloop, S. E., 1563
Sticotti, G. See D'Orazio, L., 387
Stoffer, J. O. See Liu, Y., 247
Straff, R. S. See Chung, T.-S., 701
Street, G. B. See Rühe, J., 825
Streichsbier, F. See Augusta, S., 1149
Subbarao, R. See Kale, V., 807
Sugata, T. See Hashimoto, K., 915
Sullivan, V. See Kanai, H., 527
Sultan Nasar, A. See Kothandaraman, H., 31
Sun, J. See Huang, J., 1391
Sundberg, D. C. See Durant, Y. G., 1469
Suthar, B.
—; Klempner, D.; Frisch, K. C.; Petrovic, Z.; Jelcic, Z.: Novel Dielectrics from IPNs Derived from Castor Oil Based Polyurethanes, 1083
Suto, S.
—; Kohmoto, K.; Abe, A.: Transient Shear Response of Liquid Crystal-Forming Hydroxypropyl Cellulose Solution in Dimethylacetamide. II. Correlation Between Band Formation and Stress Relaxation, 169
—; Tateyama, S.: Transient Shear Response of Liquid Crystal-Forming Hydroxypropyl Cellulose Solution in Dimethylacetamide. I. Stress Growth and Relaxation Behavior, 161

Tada, K. See Kumazawa, H., 113
Takahashi, H. See Kojima, Y., 1393
Takenaga, M. See Obori, H., 993
Tan, K. L. See Kang, E. T., 1539
Tanaka, A. See Yamauchi, T., 1125
Tang, L. See Lu, Y., 1461
Tang, S. See Choi, K. Y., 1589
Tang, T.
—; Huang, B.: Fractionated Crystallization in Polyolefins–Nylon 6 Blends, 355
Tarverdi, K. See Hornsby, P. R., 891

Tateyama, S. See Suto, S., 161
Tavan, M. See Boscoletto, A. B., 121
Taylor, M. B.
—; Gilbert, R. D.; Stannett, V. T.; Williams, J. L.: Radiation-Initiated Inverse Emulsion Polymerization of Vinylpyrrolidone, 1385
Tcharkhtchi, A. See Matisová-Rychlá, L., 1375
Thames, S. F.
—; He, Z. A.: 100% Solids Ultraviolet Curing Acrylated Chlorinated Rubber Coatings, 275
Thangamathesvaran, P. M.
—; Jain, S. R.: Curing Studies on the Epoxides of Carbono- and Thiocarbonohydrazones, 1339
Thomas, S. See Varghese, S., 1051
Thomas, S. K. See John, G., 1415
Thompson, C. See Rushing, R. A., 1211
Tian, R.-C. See Gao, J.-P., 1091
Tighzert, L. See Chabanne, P., 769; Chabanne, P., 787
Tikku, V. K. See Chaki, T. K., 141
Ting, Y. P. See Kang, E. T., 1539
Tipton, A. L. See Sloop, S. E., 1563
Tokuhara, T. See Kawatsuki, N., 973
Topolkaraev, V. See Wu, Y. K., 1037
Touhami, Y.
—; Neale, G. H.; Hornof, V.: Effects of Water-Soluble Polymers and Aqueous-Phase Viscosity on the Interfacial Tension Behavior of Reacting Oil–Alkaline Systems, 309
Tripathy, D. K. See Mallick, A., 1477; Namboodiri, C. S. S., 877
Tseng, H. C. See Wang, Y. Z., 1191
Tsuji, H.
—; Ikada, Y.: Stereocomplex Formation between Enantiomeric Poly(Lactic Acid)s. X. Binary Blends from Poly(D-Lactide-co-Glycolide) and Poly(L-Lactide-co-Glycolide), 1061
Tung, J. F. See Hornsby, P. R., 891

Uetsuki, M. See Kawatsuki, N., 973

van den Boomgaard, Th. See Wienk, I. M., 1011
Vaněk, P. See Klásek, A., 735
Varghese, S.
—; Kuriakose, B.; Thomas, S.: Stress Relaxation in Short Sisal-Fiber-Reinforced Natural Rubber Composites, 1051
Varma, I. K. See Agarwal, S., 1525; Alam, S., 1073
Vedanayagam, H. S. See Kale, V., 807
Veličković, J. See Čvorkov, L., 193
Venditti, R. A.
—; Gillham, J. K.; Chin, E.; Houlihan, F. M.: Glass Transition Temperature (T_g) versus Fractional Conversion for a Linear Thermosetting Polyamic Acid Ester–Polyimide System, 455
Verdu, J. See Matisová-Rychlá, L., 1375
Vergnes, B. See De Loor, A., 1675
Vermeesch, I.
—; Groeninckx, G.: Chemical Modification of Poly(styrene-*co*-maleic anhydride) with Primary *N*-Alkylamines by Reactive Extrusion, 1365
Visscher, K. B. See Andrianov, A. K., 1573
Vlatković, B. See Čvorkov, L., 193

Wagener, R. See Cherdron, H., 507
Wan, I-Y. See Risch, B. G., 933
Wan, M.
—; Li, M.; Li, J.; Liu, Z.: Structure and Electrical Properties of the Oriented Polyaniline Films, 131
Wang, C.-K. See Hong, J.-L., 105
Wang, D.-N. See Gao, Y., 23
Wang, Q. See Huang, J., 1391
Wang, Y. Z.
—; Hsieh, K. H.; Chen, L. W.; Tseng, H. C.: Effect of Compatibility on Specific Volume of Molten Polyblends, 1191
Ward, I. M. See Carr, P. L., 633
Wasserman, S.
—; Johari, G. P.: Relaxations in Thermosets. XXIX. Calorimetric Studies of the Curing Kinetics of Nonstoichiometric Diamine–Epoxy Mixtures, 331
Watanabe, R. See Kawatsuki, N., 973
Waters, J. F.
—; Likavec, W. R.; Ritchey, W. M.: ^{13}C CP–MAS NMR Study of Absorbed Water in Polyimide Film, 59
Weese, J. See Gleinser, W., 39
Wei, Y.
—; Huang, R. Y. M.: Application of Ionically Crosslinked Latex Membranes to the Separation of Ethanol–Water Mixtures by Pervaporation, 179
Wessling, M.
—; Borneman, Z.; Boomgaard, TH. V. D.; Smolders, C. A.: Carbon Dioxide Foaming of Glassy Polymers, 1497
Widomski, J. See Rayss, J., 1833
Wienk, I. M.
—; van den Boomgaard, Th.; Smolders, C. A.: The Formation of Nodular Structures in the Top Layer

of Ultrafiltration Membranes, 1011
Wilkes, G. L. See Risch, B. G., 933
Williams, J. L. See Taylor, M. B., 1385
Windle, A. H. See He, C., 561
Woo, K. F. See Wu, C., 1323
Wu, C.
—; Ma, D.; Luo, X.; Chan, K. K.; Woo, K. F.; So, K. L.: Study of Segmented Ethylene Terephthalate–Caprolactone Copolymer by Differential Refractometry and Light Scattering, 1323
—; See Lu, Y., 1461
—; See Qian, B., 1261
Wu, Y. K.
—; Sletten, K. R.; Topolkaraev, V.; Lodoen, G. A.; Anderson, J. M.; Baer, E.; Hiltner, A.: Effect of an Oxidative Environment on the Creep Compliance of Poly(ether urethane urea), 1037

Xiong, Y.
—; Kiran, E.: High-Pressure Phase Behavior in Polyethylene/*n*-Butane Binary and Polyethylene/*n*-Butane/CO_2 Ternary Systems, 1179
Xiu, Y.-Y. See Gao, Y., 23
Xu, X. See Liu, G., 1699

Yamada, T. See Ogawa, T., 1663
Yamamoto, K.
—; Maehara, T.; Mitani, K.; Mizutani, Y.: Erratum to "Preparation and Application of Low Molecular Weight Poly(vinyl chloride). I. Preparation and Thermal Stability", 255
Yamasaki, A.
—; Mizoguchi, K.: Sorption Equilibria and Diffusion Coefficients of Ethanol and Water in the PVA Membranes Containing Cyclodextrin, 1669
Yamauchi, T.
—; Tanaka, A.: Experimental Detection of Entropy Elasticity Within the Plastic Deformation of Paper (Note), 1125
Yang, Y. See Han, Y., 19
Yao, H. See Liu, G., 1699
Yao, K.-J.
—; Zhou, W.-J.: Synthesis and Water Absorbency of the Copolymer of Acrylamide with Anionic Monomers, 1533
Yin, Y.-L. See Lai, J.-Y., 999
Ying, S.-K. See Gao, Y., 23
Yn, M.-S.
—; Ma, C.-C. M.: Poly(ϵ-Caprolactam)–Poly(Butadiene-*co*-Acrylonitrile) Block Copolymers. I. Synthesis, Characterization, Mechanical Properties, and Morphology, 213
Yokoyama, T. See Furukawa, M., 1723
Yoon, H. See Jacobson, S., 649
Yoon, H. N. See Man, H. T., 641
Yoshinobu, M.
—; Morita, M.; Higuchi, M.; Sakata, I.: Morphological Study of Hydrogels of Cellulosic Super Water Absorbents by CRYO-SEM Observation, 1203
Yu, J.-G. See Gao, J.-P., 1091
Yu, T. L. See Liu, S. B., 1165
Yuan, H. See Zhao, J., 1447
Yun, L.
—; Zhu, Z.; Hanmin, Z.: Studies on Preparation and Ion-Exchange Properties of Weakly Acidic Cation Exchange Fiber by Preirradiation-Induced Graft Copolymerization with Electron Beam, 405

Zeng, H. See Lu, Y., 1461
—; See Mai, K., 1653
Zhao, J.
—; Yuan, H.; Pan, Z.: Grafting Mechanism in SBR–St–MMA Core-Shell Emulsion Copolymerization, 1447
Zhao, X. See Choi, K. Y., 1589
Zhou, W.-J. See Yao, K.-J., 1533
Zhu, J. See Qian, B., 1261
Zhu, Z. See Yun, L., 405
Zukas, W. X.
Torsional Braid Analysis of the Aromatic Amine Cure of Epoxy Resins, 429